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Organization	Chemical and Biological Engineering
Position	Professor
Academic Title	Doctor (Medicine)
Research Fields	Biochemistry, Molecular biology, Hygiene

<< Research Subjects >>

- [Interactome study on drug-protein interaction using acetophenone derivatives.](#)
- [Yeast study concerning vitamin \(NAD, biotin\) effects.](#)

<< Academic Activities >>

Papers and Notes

- [Munetaka Negoro, Mina Sawano, Hiromi Swamura, Shuhei Ebara and Toshiaki Watanabe :“Analysis of glucose–protein interaction using p-hydroxyacetophenone-sepharose affinity resin. - Glucose decreases alcohol dehydrogenase activity in vitro –”, J.Electrophoresis, 2012 Vol.56, pp.19-24 \(2012\) .](#)
- [Toshiaki Watanabe, Ai Suzuki, Shuhei Ebara, Munetaka Negoro, Toru Fukui: “Biochemical alterations in the palatal processes in fetuses of biotin-deficient mice”, Congenital Anomalies, Vol.50, pp.21-28 \(2010\)](#)
- [Munetaka Negoro, Ichiro Wakabayashi: “Difference in interactions of alcohol dehydrogenase to p-hydroxyacetophenone-sepharose and p-acetamidophenol-sepharose”, Alcohol Clin Exp Res, Vol.29, pp.304S-308S \(2005\)](#)
- [Hirohisa Kato, Munetaka Negoro, Ichiro Wakabayashi: “Effects of acute ethanol administration on LPS-induced expression of cyclooxygenase-2 and inducible nitric oxide synthase in rat alveolar macrophages”, Alcohol Clin Exp Res, Vol.29, pp.285S-293S \(2005\)](#)
- [Munetaka Negoro, Ichiro Wakabayashi: “Enhancement of alcohol dehydrogenase activity in vitro by acetylsalicylic acid”, Eur J Pharm, vol.523 pp.25-28 \(2005\)](#)
- [Munetaka Negoro, Ichiro Wakabayashi: “Determination of the liver cytosolic proteins that bind to p-hydroxyacetophenone”, Biomed Chromatogr, Vol.18, pp.335-340 \(2004\)](#)
- [Munetaka Negoro, Ichiro Wakabayashi: “New simple method for purification of class I alcohol dehydrogenase”, Alcohol, Vol.39, pp.178-182 \(2004\)](#)
- [Hirohisa Kato, Munetaka Negoro, Ichiro Wakabayashi: “Inhibitory action of ethanol on cyclooxygenase-2 expression through suppression of the extracellular signal-related kinase-mediated pathway in rat alveolar macrophages”, Basic Clin Pharmacol Toxicol, Vol.95, pp. 226-233 \(2004\)](#)
- [Yuji Takahashi, Poteser Michel, Munetaka Negoro, Ichiro Wakabayashi: “Reduction of lipopolysaccharide-induced cyclooxygenase-2 expression in diabetic arteries”, Naunyn Schmiedebergs Arch Pharmacol, Vol.369, pp.358-362 \(2004\)](#)
- [Yuji Takahashi, Munetaka Negoro, Ichiro Wakabayashi: “Decreased modulation by lipopolysaccharide of aortic smooth muscle contractility in streptozotocin-induced hyperglycemic rats”, J Cardiovasc Pharmacol, Vol 41, pp.162-170 \(2003\)](#)
- [Ichiro Wakabayashi, Munetaka Negoro: “Mechanism of inhibitory action of ethanol on inducible nitric oxide synthesis in macrophages”, Naunyn Schmiedebergs Arch Pharmacol, Vol. 366 pp.299-306 \(2002\)](#)
- [Youko Sotoda Y, Munetaka Negoro, Ichiro Wakabayashi: “Involvement of decreased myo-inositol transport in lipopolysaccharide-induced depression of phosphoinositide hydrolysis in vascular smooth muscle”, FEBS Lett., Vol. 519, pp.227-230 \(2002\)](#)
- [Ichiro Wakabayashi, Kenichi Yasui, Munetaka Negoro: “Diverse effects of ethanol on the pathway of inducible prostaglandin E2 production in macrophages”, Prostaglandins Other Lipid Mediat., Vol. 67, pp.61-74 \(2002\)](#)
- [Kenichi Yasui, Ichiro Wakabayashi, Munetaka Negoro, Akira Suehiro, Eizo Kakishita: “Daunorubicin inhibits gene expression of cyclooxygenase-2 in vascular smooth muscle cells”, Thromb Res., Vol. 103, pp.233-240 \(2001\)](#)

Presentations

1. [Watanabe Toshiaki, Suzuki Ai, Ebara Shuhei, Negoro Munetaka, Fukui toru: "Change of protein expression of palatal processes in biotin-deficient fetuses of mice". Ann Nutr Metab, Oct 4-9 \(2009\)](#)